

**Sec. 7.1:** problems 3, 8, 14, 19, 25, 28, 38 (compare with 7.1/8), 39.

*Hint for 7.1/39:* Sum of the geometric series:  $\sum_{n=0}^{\infty} q^n = \frac{1}{1-q}$  for  $|q| < 1$ .